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# NOTICE OF ALLOWANCE AND FEE(S) DUE

22862 7590 10/09/2009
GLENN PATENT GROUP
3475 EDISON WAY, SUITE L
MENLO PARK, CA 94025

EXAMINER
ZHENG, JACKY X
ART UNIT PAPER NUMBER
2605

DATE MAILED: 10/09/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718.211	11/20/2003	Yigal Accad	EFTM0506	9028

TITLE OF INVENTION: METHODS AND APPARATUS FOR ELECTRONICALLY TRAPPING DIGITAL IMAGES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/11/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE: shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used to correspondence including d below or directed off tions.	for transmitting the IS ig the Patent, advance nerwise in Block 1, by	SUE FEE and PUBLIC, orders and notification ( (a) specifying a new co	of ma	ON FEE (if require aintenance fees will ondence address; a	ed). B II be i ind/or	locks 1 through 5 st nailed to the current (b) indicating a sepa	nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
GLENN PATE 3475 EDISON V MENLO PARK,	NT GROUP VAY, SUITE L	v2009	,	I ber	Certi	ficate Fee(s	of Mailing or Trans	
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			[					(Signature)
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APPLICATION NO.	FILING DATE	1	FIRST NAMED INVENT	FOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/718,211	11/20/2003		Yigal Accad				EFIM0506	9028
TITLE OF INVENTION			_					
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nonprovisional	NO	\$1510	\$300	_	\$0		\$1810	01/11/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS	$\Box$				
ZHENG, J		2625	358-001900					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DAT. ess an assignce is ident h in 37 CFR 3.11. Comp	inge of Correspondence  "Indication form and. Use of a Customer A TO BE PRINTED ON	THE PATENT (print or	p to a native ingle or ag attorn I be p r type r type an as	B registered patent ely, firm (having as a r spent) and the names acys or agents. If no rinted.	nembers of up o nam	er a 2er a 2er a 2er a 2er a 3er a 1er a 1	cument has been filed for
Please check the appropri 4a. The following fee(s) a	are submitted:		4b. Payment of Fee(s): (I	Pleas ed.	e first reapply any	prev	lously paid issue fee	shown above)
Publication Fee (N Advance Order - #	o small entity discount p f of Copies	permitted)	Payment by credit The Director is her overpayment, to D	reby :		e the r	equired fee(s), any det	ficiency, or credit any n extra copy of this form).
5. Change in Entity Stat	tus (from status indicate s SMALL ENTITY state		☐ b. Applicant is no	long	er claiming SMALI	LENT	TTY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req records of the United Sta	uired) will not be accep tes Patent and Tradema	ted from anyone other the rk Office.	an th	e applicant; a regist	ered a	ttorney or agent; or th	e assignee or other party in
Authorized Signature					Date			
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This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C itality is governed by 35 I application form to the ons for reducing this bu irginia 22313-1450. DO 13-1450.	CFR 1.311. The informa U.S.C. 122 and 37 CF USPTO. Time will varden, should be sent to O NOT SEND FEES OF	tion is required to obtain R 1.14. This collection is ry depending upon the ir the Chief Information Of the COMPLETED FORMS	or re s estin ndivid fficer S TO	tain a benefit by the mated to take 12 m dual case. Any con , U.S. Patent and T THIS ADDRESS.	e publ inutes iments radem SENI	ic which is to file (and to complete, includin s on the amount of tir ark Office, U.S. Depa O TO: Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

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MENLO PARK,	CA 94025	2625				

DATE MAILED: 10/09/2009

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 528 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 528 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Application No. Applicant(s) 10/718.211 ACCAD ET AL. Notice of Allowability Examiner Art Unit JACKY X ZHENG 2625 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to July 23, 2009. The allowed claim(s) is/are 1-3, 8-10, 30-32 and 37-39. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) $\square$ All b) ☐ Some\* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance

Examiner, Art Unit 2625

/J. X. Z./

of Biological Material

9. 
Other \_\_\_\_\_.

/Twyler L. Haskins/

Supervisory Patent Examiner, Art Unit 2625

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# DETAILED ACTION

- 1. This office action is in response to applicant's amendments filed on July 23, 2009.
- Claims 1-3, 8-9, 11-13, 18-19, 21-23, 28, 30-32, 37-38, 40-42, 47-48, 50-52, 57 and 59-60 have been amended.
- Claims 4-7, 14-17, 24-27, 33-36, 43-46, 53-56 and 61-64 have been cancelled (w. claims 11-13, 18-23, 28-29, 40-42 and 47-60 being cancelled through Examiner's Amendment as indicated below).
- Claims 1-3, 8-10, 30-32 and 37-39 are currently allowed.
- 5. The objection to claim 30 is withdrawn in view of applicant's amendments to the claim.
- The rejections under 35 U.S.C. §112, second paragraph, to Claims 1-3, 98-13, 18-23, 28-32, 37-42, 47-52 and 57-60 are withdrawn in view of applicant's amendments and/or cancellations (through Examiner's Amendments) to the claims

### EXAMINER'S AMENDMENT

- 7. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR.
  1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- Authorization for this examiner's amendment was given in a telephone interview with
   Ms. Elizabeth Ruzich (Reg. No. 54,416) on September 29, 2009.
- The application has been amended as follows:
  - With regard to Claims 11-13, 18-23, 28-29, 40-42 and 47-60, claims are now cancelled.

Art Unit: 2625

## REASONS FOR ALLOWANCE

10. The following is an examiner's statement of reasons for allowance:

The instant invention is generally relates to color image processing with methods and apparatus for electronically trapping digital color images to minimize image artifacts caused by mechanical registration errors in multiple separation color image devices.

With regard to Claim 1, the closest prior arts of record, Morgana (U.S. Patent No. 6,377,711) and Geurts et al. (U.S. Patent No. 2001/0055130), do not disclose or suggest, among the other limitations, the additional required limitation of "adjusting, with the computer, the trigger values according to the distance between the first pixel and each surrounding pixel to obtain a distance adjusted trigger value for each of the surrounding pixels; comparing, with the computer, the adjusted trigger values for each of the surrounding pixels to a trigger threshold; identifying, with a computer, any of the surrounding pixels where the adjusted trigger value for the surrounding pixel exceeds the trigger threshold; identifying, with the computer, a trigger pixel from the surrounding pixels with the adjusted trigger value that exceeds the trigger threshold with a maximum trigger value ... ". These additional features in combination with all the other features required in the claimed invention are neither taught nor suggested by Morgana and Geurts et al..

With regard to Claims 2-3 and 8-10, the claims are depending directly or indirectly from the independent Claim 1, each encompasses the required limitations recited in the independent claim discussed above.

With regard to Claim 30, the closest prior arts of record, Morgana (U.S. Patent No. 6,377,711) and Geurts et al. (U.S. Patent No. 2001/0055130), do not disclose or suggest, among the other limitations, the additional required limitation of "means for adjusting the trigger values according to the distance between the first pixel and each surrounding pixel to obtain a distance adjusted trigger value for each of the surrounding pixels; means for comparing the adjusted trigger values for each of the surrounding pixels to a trigger threshold; means for identifying any of the surrounding pixels where the adjusted trigger value for the pixel exceeds the trigger threshold; means for identifying a trigger pixel from the surrounding pixels with the adjusted trigger value that exceeds the trigger threshold with a maximum colorant difference value ... ".

These additional features in combination with all the other features required in the claimed invention are neither taught nor suggested by Morgana and Geurts et al.

With regard to Claims 31-32 and 37-39, the claims are depending directly or indirectly from the independent Claim 30, each encompasses the required limitations recited in the independent claim discussed above.

- 11. Therefore, Claims No. 1-3, 8-10, 30-32 and 37-39 are allowed.
- 12. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

13. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jacky X. Zheng whose telephone number is (571) 270-1122. The

examiner can normally be reached on Monday-Friday, 8:30 a.m. - 5 p.m., Alt, Friday Off,

14. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Twyler L. Haskins can be reached on (571) 272-7406. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

15. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jacky X. Zheng/

Examiner, Art Unit: 2625 September 29, 2009

/Twyler L. Haskins/

Supervisory Patent Examiner, Art Unit 2625